



KDHE 2005 Air Quality Video Conference

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Sherry Davis, CHMM

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KDHE's Small Business Environmental Assistance Program (SBEAP)

- **Regulatory Assistance**
- **Waste Reduction and Pollution Prevention (P2) Assistance**



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- **SBEAP services are provided by the Pollution Prevention Institute at Kansas State University**
- **Services provided free to small- and medium-sized businesses in Kansas**



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SBEAP Services are designed to help Kansas businesses

- **Improve compliance with environmental regulations in partnership with KDHE**
- **Reduce wastes at their source**
- **Improve company profitability through continual compliance and pollution prevention**
- **Reduce impacts on local environments**

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SBEAP services are

- **Free; there is no cost to the business**
- **Non-regulatory; our specialists provide assistance with air, water, hazardous waste, and other environmental and reporting requirements**
- **Voluntary; the business initiates contact with SBEAP**
- **Confidential**

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Services are provided

- **Via environmental hotline 800-578-8898**
- **Visits to the business facility**
- **Targeted regulatory or industry-specific pollution prevention (P2) workshops**
- **Web-based resources and training**
- **Regulatory video-downlinks**
- **EPA voluntary programs**

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Upcoming SBEAP projects

- **KC non-attainment VOC reduction workshops**
 - **Painting and coating P2 workshops June 8th in Olathe, Kansas, at Johnson County Extension**
 - **P2 for lawn care contractors August 17th in Olathe, Kansas, at Johnson County Extension**
- **KIOGA – natural gas compressor stations**
 - **Pratt and Liberal week of June 20th**

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Other FY 05 SBEAP projects include

- Dry cleaners – compliance calendar and workshops
- Newsletters – electronic or hard copy, sign up on our Web site: www.sbeap.org
- New publications – asphalt plants and rock crushers
- Water quality self assessment tool for businesses

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2005

PPI Special Projects: compliment and enhance the SBEAP program services

- **Rehab the Kansas lab – PBT focus (community colleges)**
- **Two new multimedia compliance and P2 checklists – industry specific**
- **Kansas Hospitals for a Healthy Environment (KH2E) PBT focus**
- **P2 Interns**
- **EMS Center**

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PPI Special Projects: con't

- **P2 case studies: Best of the Best**
- **Pollution prevention (P2) project assistance**

PPI also promotes outside projects to Kansas SBEAP businesses

- **SPCC state-wide video conference downlink**
 - **June 17, 2005**
 - **10 locations**
 - **Call 800-578-8898 for more information**
- **Performance track promotion**
 - **EMS, sustained compliance, past environmental achievements, continual environmental improvement, and community outreach**

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SBEAP and PPI work with:

- **Printers**
- **Wood product manufacturers**
- **Auto maintenance and repair**
- **Metal plating and coating operations**
- **Equipment manufacturing facilities**
- **Schools, hospitals, local governments**
- **Dry cleaners**
- **Any small- to medium-sized businesses**

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How do the SBEAP services work?

- **Business initiates request for assistance with compliance or problem waste, emission, discharge; contact established usually through hotline or outreach event**
- **Initial interview focus on answering immediate client question**
- **Specialist asks specific questions to develop scope of business operations**

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Based on initial information we may find that more assistance is needed

- **Is this a new or experienced environmental person?**
- **What is the knowledge level about regulatory responsibilities?**
- **What is the current state of compliance?**
- **What are other concerns for this industry?**
- **Would a site visit be beneficial?**

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SBEAP site visits

- **Initial interview with company representatives**
- **Focus on company's main concerns**
- **Identify all environmental regulatory issues**
 - **What regulations apply?**
 - **Overview of recordkeeping**
- **Tour the facility**

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Site visit

- **Identify compliance problems and priorities**
- **Identify P2 opportunities to help:**
 - Reduce regulatory responsibilities
 - Reduce operating costs
 - Reduce long-term environmental liabilities
- **Wrap-up interview**
- **Short or detailed report to address compliance and P2 opportunities**

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P2 project assistance

- Change the Material
- Change the Process
- Change the Technology

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Change the Material: Raw material substitution

■ **Solvents: reduce air emissions**

- **Trailer manufacturer uses toluene in paint-gun cleaning; material change to mineral spirits results in:**
 - **No HAP emissions from cleaning process**
 - **Eliminated need for air operating permit**
- **Automotive shop in Johnson County uses a high-vapor pressure parts washer to clean parts; material change to a compliant, low-vapor pressure solvent results in:**
 - **RACT rule avoidance and less recordkeeping**

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Change the Process: materials flow and layout, work practices

- Custom wood finishing company changes to a mix-at-gun coating delivery system; eliminated >50% of solvent used to wash 25' delivery lines; reduced haz waste by 43% with a 38% production increase
- Printer used excessive amounts of press cleaning solvents; company implements a solvent “check-out” inventory control and changed to “dauber” dispenser cans; estimated 50% reduction in solvent use.
- Wood product manufacturer: identified \$900,000 savings potential on rejects, wood waste and labor reductions based on process layout changes

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Change the technology: alternative equipment and materials

- **Fleet management operations P2 assessment identified \$4000 savings for energy recovery from used oil with oil space heaters**
- **Boat manufacturing operation changed to solvent recycle system saved \$72,000 in solvent purchases and reduced 137,000 tons of hazardous waste at a cost savings of \$41,000**

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- **Pollution prevention assessments can help identify supplemental environmental project (SEP) options**
- **Compliance and pollution prevention are integral parts of EPA's voluntary programs**
- **Compliance and P2 are integral parts of any EMS**
- **Compliance and P2 can help companies save money and jobs!**

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- **SBEAP services are available throughout the state with staff in Olathe, Salina, Wichita, and Manhattan. All personnel can be contacted at 800-578-8898.**
- **Any questions?**